

## TECHNICAL DATA SHEET

### PACKING EXPANDED GRAPHITE

Packing material made of yarn of expanded graphite of high purity (above 98%). Expanded graphite exhibits excellent chemical resistance to almost all media except strong oxidants, good thermal conductivity, and low friction coefficient on steel. The material is perfectly suitable as high-temperature braided packing. The packing also guarantees outstanding self-lubricating properties. It features a homogenous structure and a special addition of active inhibitors, which protects metal components of the stuffing box against the risk of excessive wear and galvanic corrosion. Though the replacement of Inconel reinforcement with cotton thread lowers the mechanical parameters at high temperatures, yet it allows for better packing arrangement in the gland and has a lower friction coefficient.



#### APPLICATION

Recommended for use in centrifugal pumps and fittings. The packing works well in environments with water, steam, oils, solvents, carbohydrates, salts, acids and bases. Not suitable for contact with liquid metals and abrasive media. Particularly useful for centrifugal pumps where PTFE cannot be used due to temperature.

|  |                    |
|--|--------------------|
| Minimum operating temperature                        | -220°C             |
| Maximum operating temperature                        | 550°C              |
| Operating temperature in steam [°C]                  | 550°C              |
| Operating temperature in oxygen-free atmosphere [°C] | up to 2000°C       |
| Impeller pumps                                       | p=40 bar v= 40 m/s |
| Piston pumps   | not recommended    |
| Armature   | p=200 bar v=2 m/s  |
| pH   | 0 - 14             |
| Colour   | black              |
| Size range   | 4mm - 50 mm        |

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